

FIG. 1

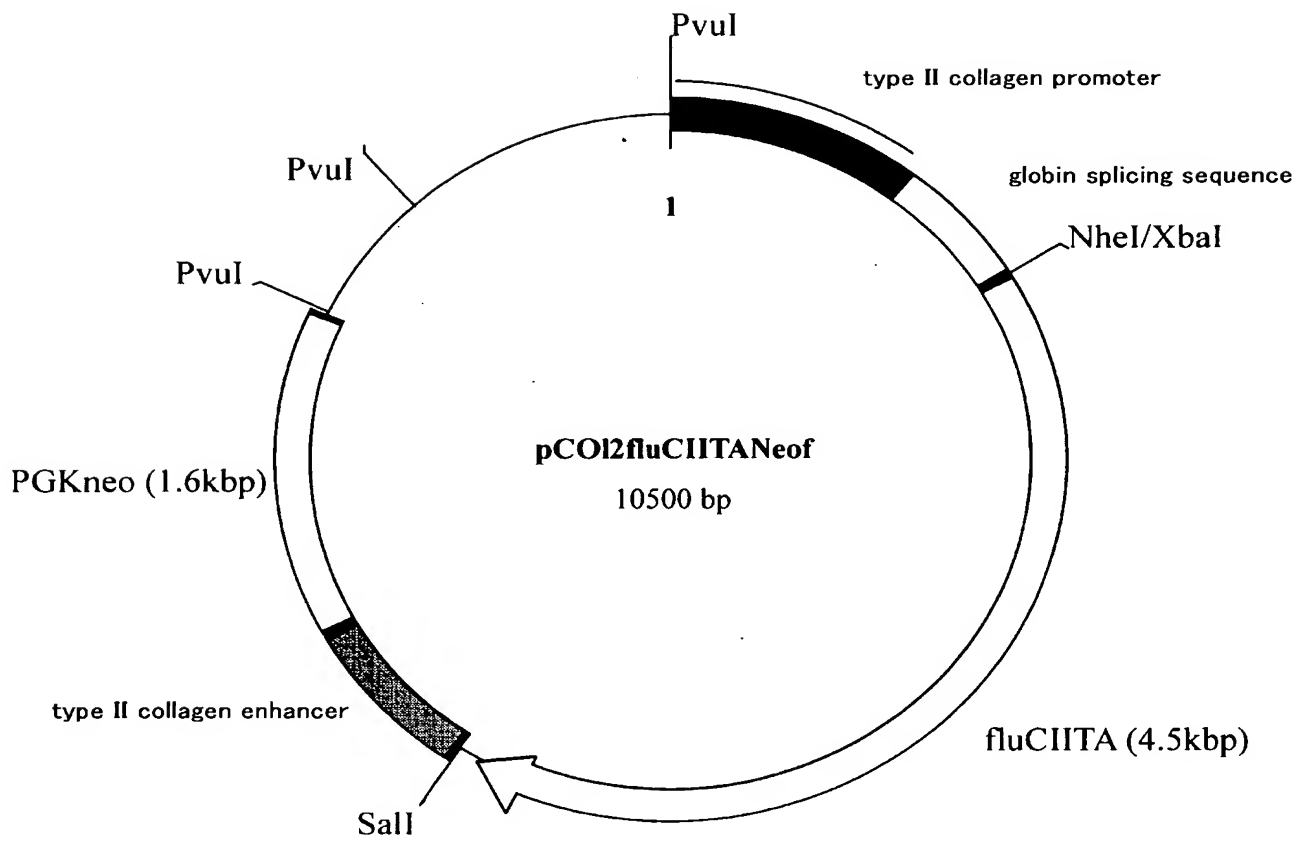


FIG. 2



FIG. 3

0: No symptoms were observed

1: Redness + slight joint swelling (two joints or less)

2: Redness + moderate joint swelling (three joints or more)

3: Redness + severe joint swelling + dyskinesia

Evaluate each extremity by scoring from 0 to 3 and calculate total score of four extremities (max=12)

When total score is 4 or more, it is determined that rheumatoid arthritis is developed.

FIG. 4

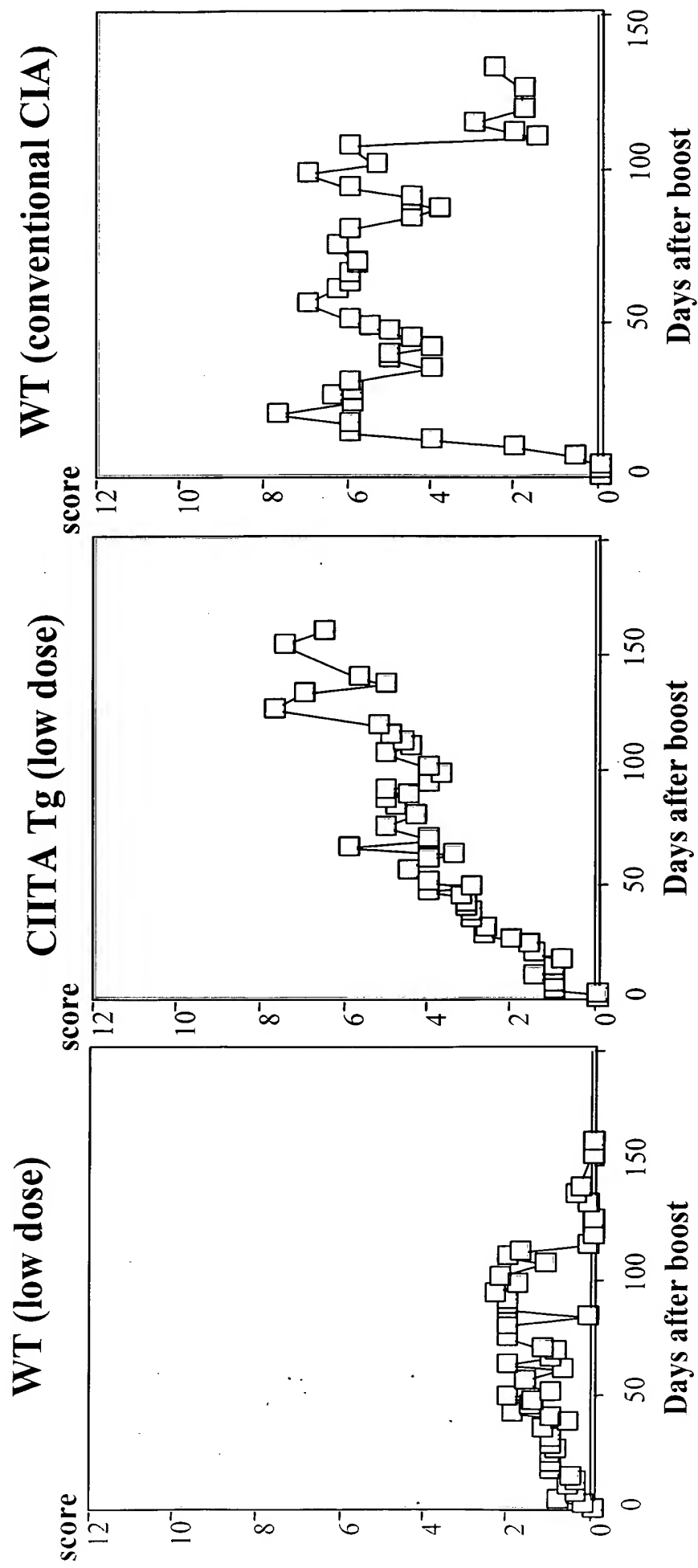


FIG. 5

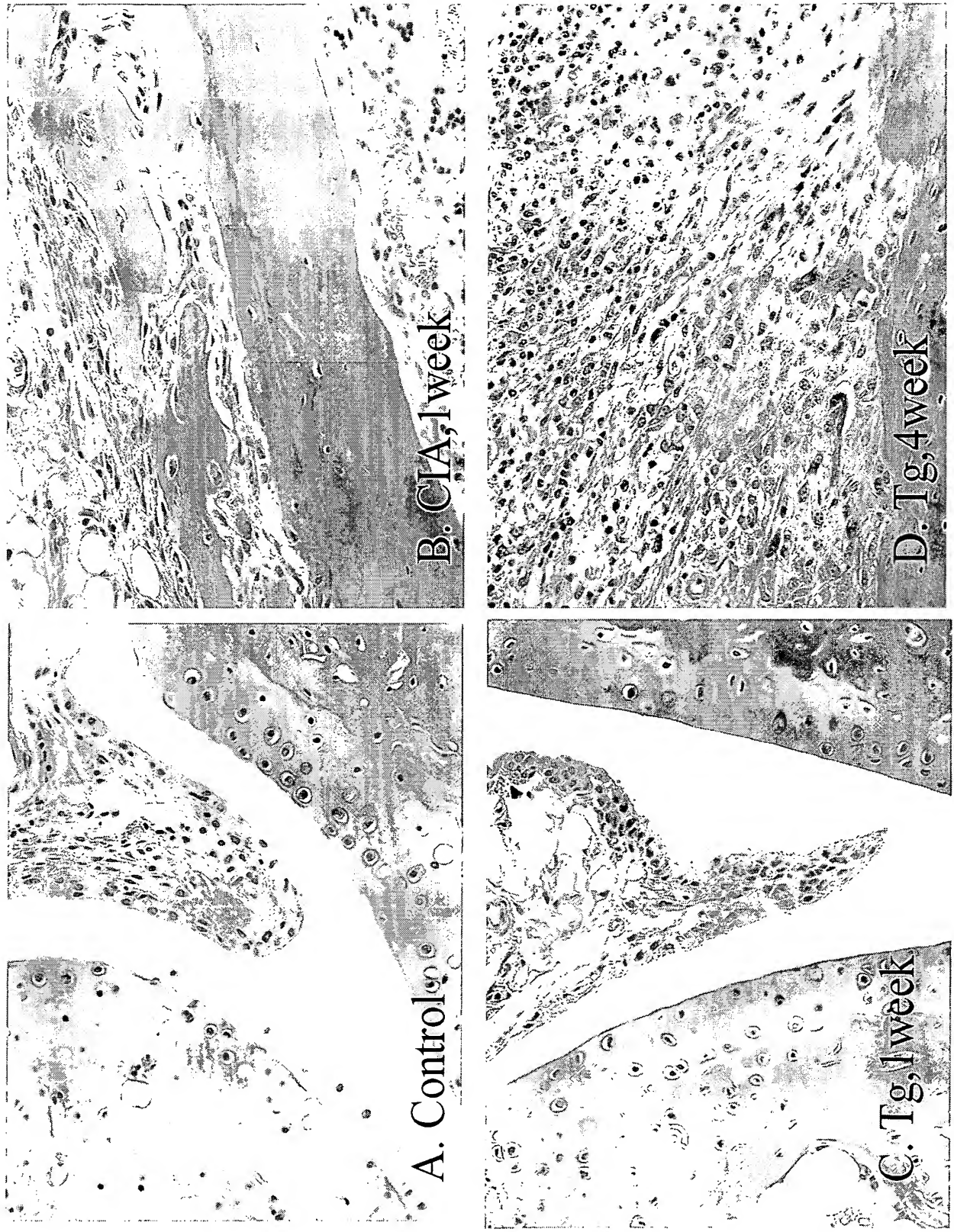
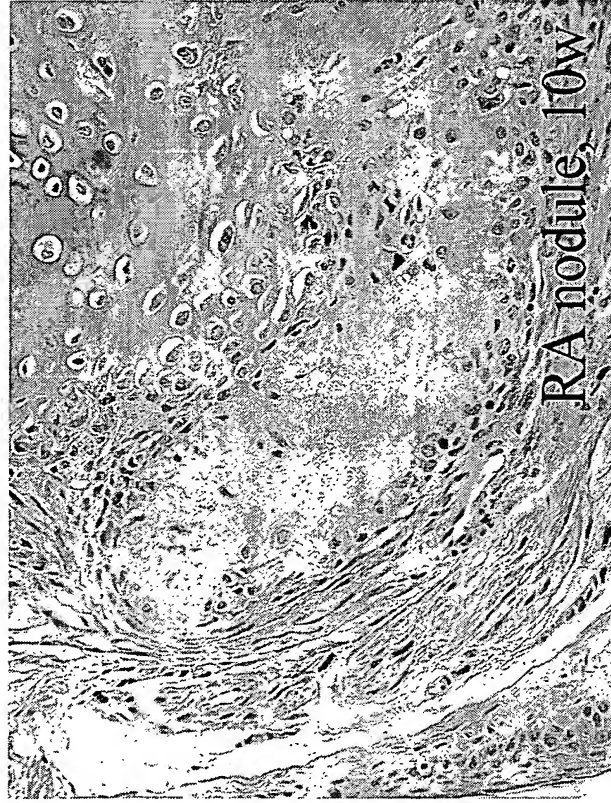


FIG. 6

(A)



(B)

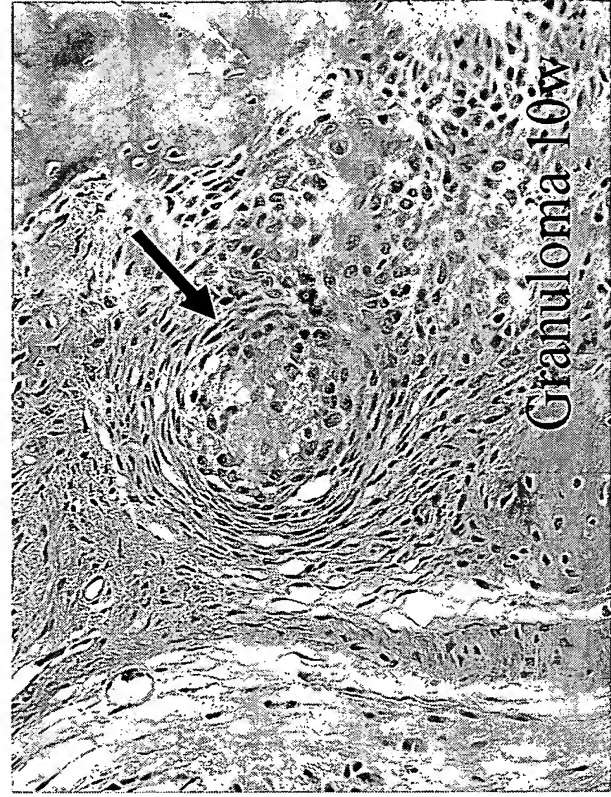
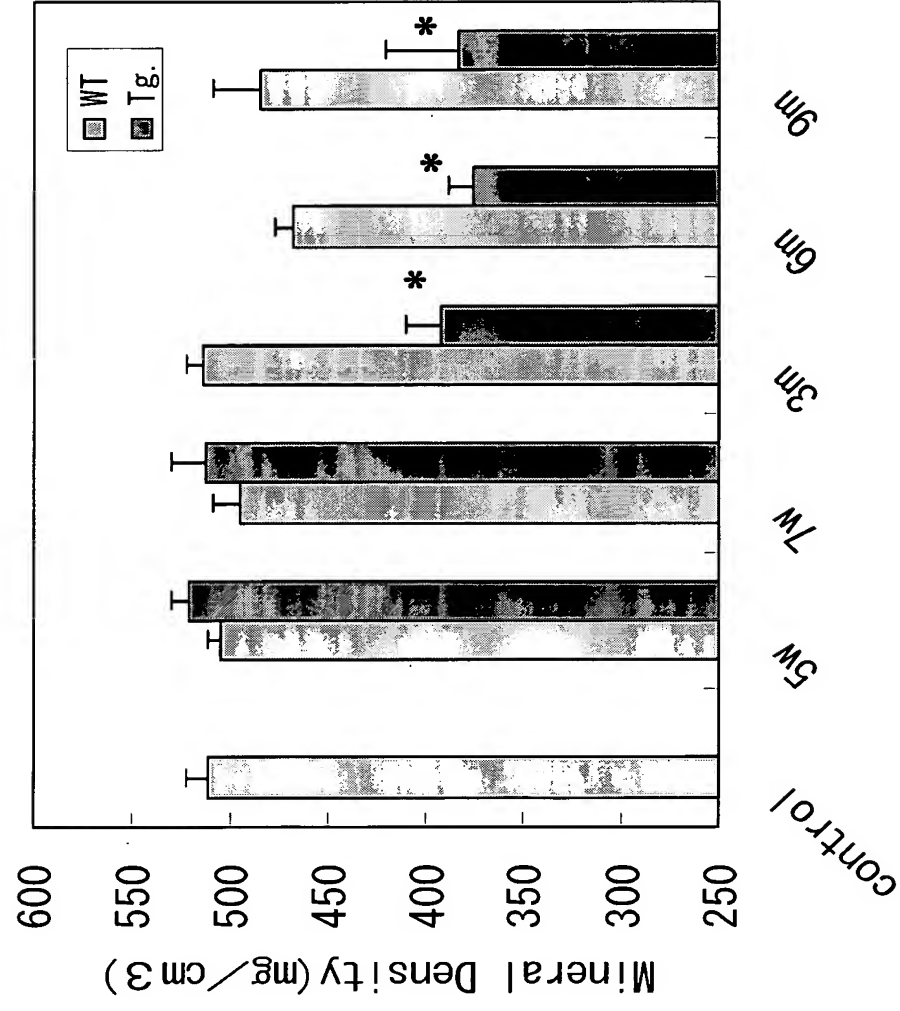


FIG. 7



*Significant difference with respect to each control is observed ($p < 0.001$)